On the construction of spectrochemical libraries for raman based plastic identification

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Abstract

We have conducted extensive studies testing selections of standards and against a large library of plastic samples, we find a surprising sensitivity of identification according to library structure. We tested three Raman library approaches to this stream and surprisingly found that the simplest library works best, providing the most reliable basis for sortation by resin type even where the sample stream contains significant number of spectroscopic outerliers

Category

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